

## FIG. 6

PARTIAL DNA SEQUENCE FOR THE PLASMID FOR INSERTION INTO YEAST  
IN WHICH: NUCLEOTIDE NOS. 1-173 MAKEUP THE MF 1 PROMOTER  
REGION AND 5' NONCODING SEQUENCE. 174-440 IS THE MF 1 N-TERMINAL  
CODING SEQUENCE. 441-695 IS AN HPTH SEQUENCE. 696-726 IS AN  
HPTH 3' NONCODING SEQUENCE FROM pSSHPTH-10. 727-732 IF FROM  
pUC19. 733-874 IS MF 1 3' NONCODING SEQUENCE AND TRANSCRIPTIONAL  
TERMINATION SIGNAL

10		30
AGTGAAGAAAACCAAAAAGCAACAACAGGTTTTGGATAAGTACATATATAAGAGGGCCT		
70	90	110
TTTGTTCCTCATCAAAAATGTTACTGTTCTTACGATTCATTTACGATTCAAGAATAGTTCA		
130	150	170
AACAAGAAGATTACAACTATCAATTTATACACAATATAAACGACCAAAAGAATGAGAT		
190	210	230
TTCCTTCAATTTTTACTGCAGTTTTATTGCGAGCATCCTCCGCATTAGCTGCTCCAGTCA		
250	270	290
ACACTACAACAGAAGATGAAACGGCACAAATTCCGGCTGAAGCTGTCATCGGTTACTCAG		
310	330	350
ATTTAGAAGGGGATTTTCGATGTTGCTGTTTTGCCATTTTCCAACAGCACAAATAACGGGT		
370	390	410
TATTGTTTATAAATACTACTATTGCCAGCATTGCTGCTAAAGAAGAAGGGGTATCTTTGG		
430	450	470
ATAAAAGAGAGGCTGAAGCTWSNGTWSNGARATHCARYTNATGCAYAAYYTNGGNAARC		
490	510	530
AYYTNAAYWSNATGGARMGNGTNGARTGGYTNMGNAARAARYTNCARGAYGTNCAYAAYT		
550	570	590
TYGTNGCNYTNGGNGCNCNYTNGCNCNMGNAYGCNGGWSNCARMGNCNMGNAARA		
610	630	650
ARGARGAYAAYGTNYTNGTNGARWSNCAYGARAARWSNYTNGGNGARGCNGAYAARGCNG		
670	690	710
AYGTNAAYGTNYTNACNAARGCNAARWSNCARTRRAAATGAAAACAGATATTGTCAGAGT		
730	750	770
TCTGCTCTAGAGTCGACTTTGTTCCCACTGTACTTTTAGCTCGTACAAAATACAATATAC		
790	810	830
TTTTCATTTCTCCGTAAACAACCTGTTTTCCCATGTAATATCCTTTTCTATTTTTCTGTTT		
850	870	
CGTTACCAACTTTACACATACTTTATATAGCTAT, WHEREIN		

M = A OR C  
R = A OR G  
W = A OR T  
S = C OR G  
Y = C OR T  
H = A OR C OR T  
N = A OR G OR C OR T

# FIG. 7

NUCLEOTIDE SEQUENCE OF THE MF 1-HPTH FISION GENE FROM pS LX5-HPH1.  
 NUCLEOTIDE NOS. 1-173 MAKEUP THE MH 1 PROMOTER REGION AND 5'  
 NONCODING SEQUENCE. 174-440 IS THE MF 1 N-TERMINAL CODING  
 SEQUENCE. 441-695 IS THE HPTH SEQUENCE OBTAINED FROM pSSHPTH-10.  
 696-726 IS AN HPTH 3' NONCODING SEQUENCE FROM pSSHPTH-10. 727-732  
 IS FROM pUC19. 733-874 IS MF 1 3' NONCODING SEQUENCE AND  
 TRANSCRIPTIONAL TERMINATION SIGNAL

10	30	50
AGTGCAAGAAAACCAAAAAGCAACAACAGGTTTTGGATAAGTACATATATAAGAGGGCCT		
70	90	110
TTTGTTCCTCATCAAAAATGTTACTGTTCTTACGATTCAATTTACGATTCAAGAATAGTTCA		
130	150	170
AACAAGAAGATTACAACTATCAATTTATACACAATATAAACGACCAAAAAGAATGAGAT		
190	210	230
TTCCTTCAATTTTTACTGCAGTTTTATTGCGAGCATCCTCCGATTAGCTGCTCCAGTCA		
250	270	290
ACACTACAACAGAAGATGAAACGGCACAAATTCCGGCTGAAGCTGTCATCGGTTACTCAG		
310	330	350
ATTTAGAAGGGGATTTTCGATGTTGCTGTTTTGCCATTTTCCAACAGCACAAATAACGGGT		
370	390	410
TATTGTTTATAAATACTACTATTGCCAGCATTGCTGCTAAAGAAGAAGGGGTATCTTTGG		
430	450	470
ATAAAAGAGAGGCTGAAGCTTCTGTGAGTGAAATACAGCTTATGCATAACCTGGGAAAAC		
490	510	530
ATCTGAACTCGATGGAGAGAGTAGAATGGCTGCGTAAGAAGCTGCAGGATGTGCACAATT		
550	570	590
TTGTTGCCCTTGGAGCTCCTCTAGCTCCCAGAGATGCTGGTTCCAGAGGCCCGAAAAA		
610	630	650
AGGAAGACAATGTCTTGTTGAGAGCCATGAAAAAGTCTTGAGAGGCAGACAAAGCTG		
670	690	710
ATGTGAATGTATTAATAAGCTAAATCCAGTGAAAAATGAAAACAGATATTGTCAGAGT		
730	750	770
TCTGCTCTAGAGTCGACTTTGTTCCCACTGTACTTTTAGCTCGTACAAAATACAATATAC		
790	810	830
TTTTCATTTCTCCGTAAACAACCTGTTTTCCCATGTAATATCCTTTTCTATTTTTCGTTT		
850	870	
CGTTACCAACTTTACACATACTTTATATAGCTAT		

[illegible]

TO FIG. 10E GGATAAAGATCTGTGAG

FIG. 10C

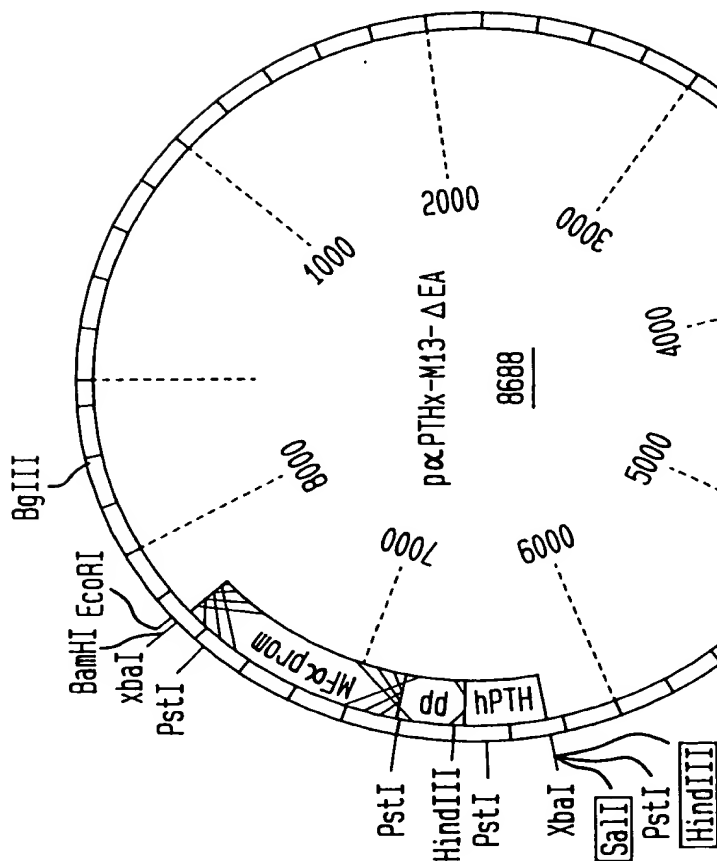
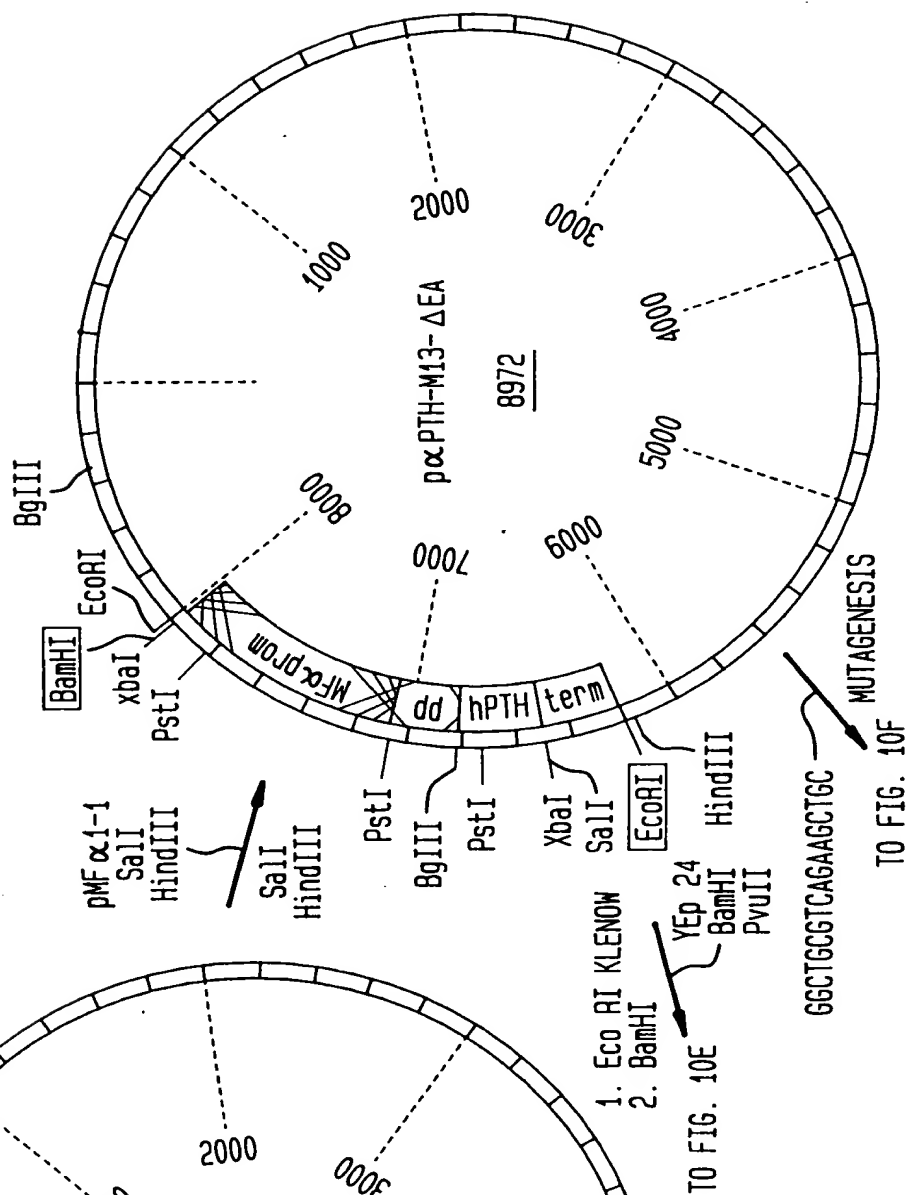


FIG. 10D



1. Eco RI KLENOW  
2. BamHI

YE p 24  
BamHI  
PvuII

FIG. 10E

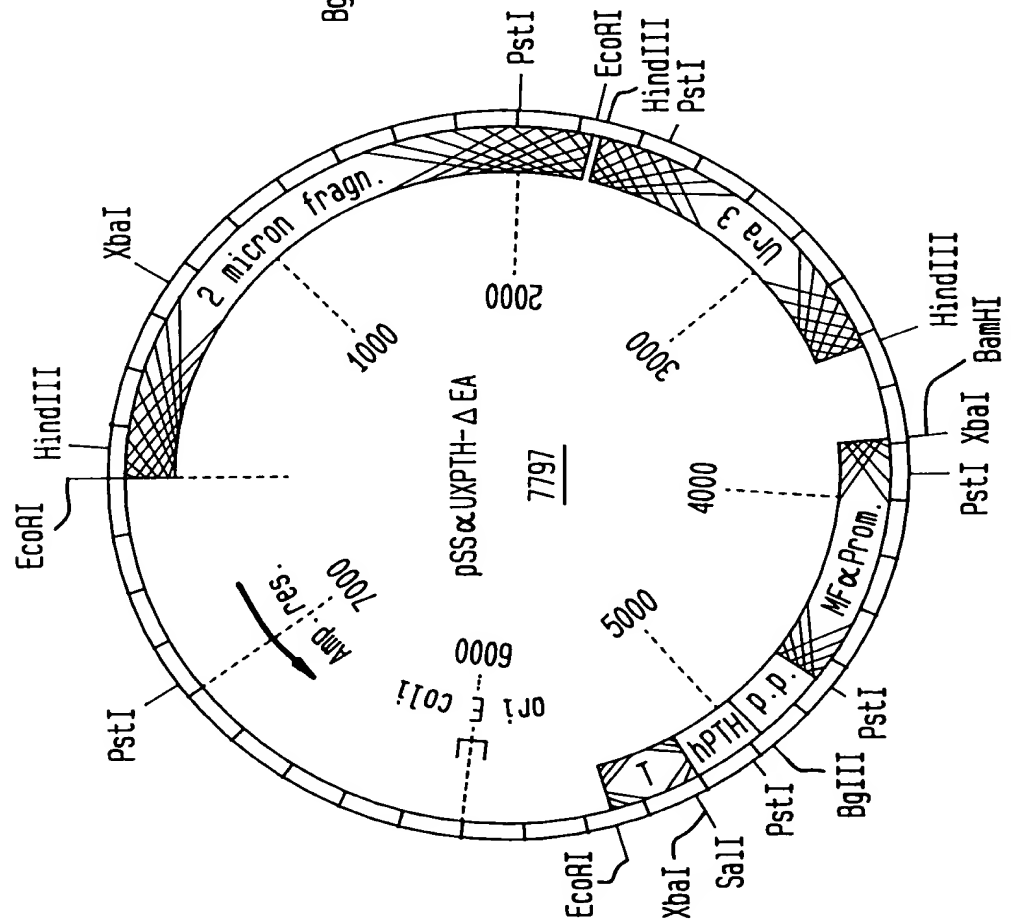


FIG. 10F

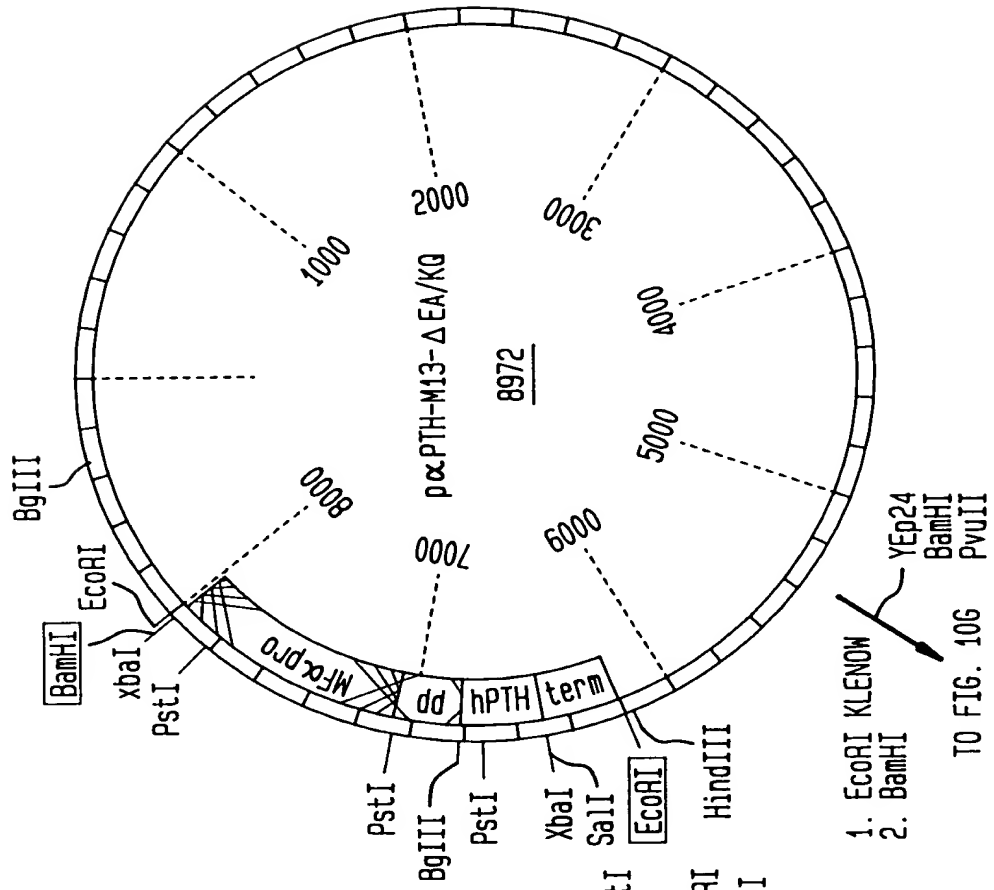


FIG. 10G

